

## NASA Advances Technologies for Additive Manufacturing of GRCop-84 Copper Alloy

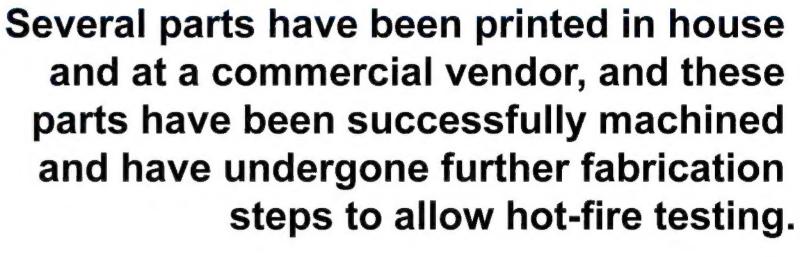
The Low Cost Upper Stage Propulsion project has successfully developed and matured Selective Laser Melting (SLM) Fabrication of the NASA developed GRCop-84 copper alloy.

## Hardware













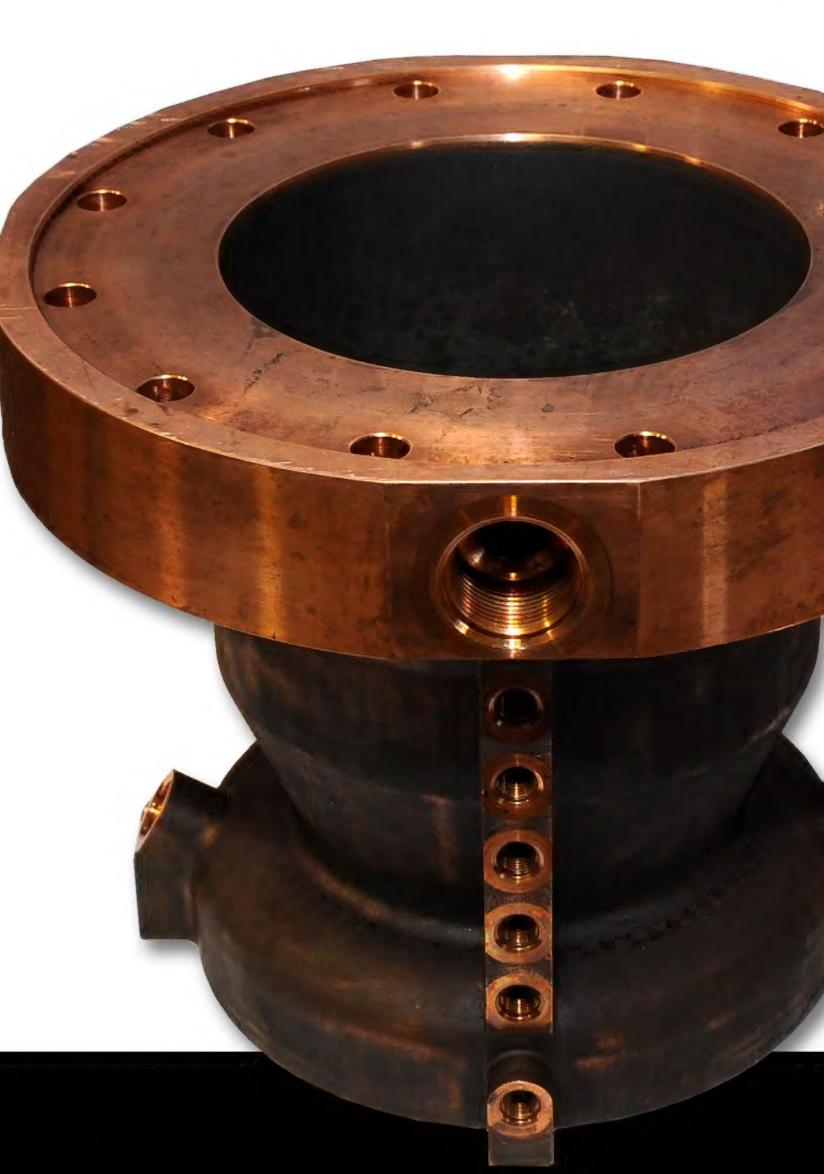












## Testing



Hot-fire testing has demonstrated parts manufactured with this technique can survive and perform well in the relevant environments for liquid rocket propulsion systems.

